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ABSTRACT

2 When vehicle behavior control systems such as VDC, TCS,
3 ABS and the like are operative, a front-rear power distribution
4 control apparatus for a four wheel drive vehicle can have an
5 excellent convergence characteristic in vehicle behavior control
6 by choosing a transfer clutch torque from a region of a
7 predetermined table in which the power distribution control does
8 not interfere with the behavior control of the vehicle behavior
9 control system and by establishing the transfer clutch torque
10 to a larger value with an increase of transfer input torque. When
11 the vehicle is in an understeer or oversteer tendency, the
12 convergence of vehicle behavior is further enhanced by correcting
13 the transfer clutch torque in an increasing or decreasing
14 direction.

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